

IN THE CLAIMS:

Please amend the claims as follows:

- 1-3 (Cancelled)
- 4-13 (Currently Cancelled)
14. (Currently Amended) A silicon nitride material comprising sintering aids including at least  $\text{Al}_2\text{O}_3$  and silicon dioxide, in a grain boundary phase, wherein the silicon dioxide in the grain boundary phase and the sintering aids including at least  $\text{Al}_2\text{O}_3$  in the grain boundary phase have a molar ratio of silicon dioxide to silicon dioxide and sintering aids including at least  $\text{Al}_2\text{O}_3$  that is  $> 65\%$  and the silicon nitride material has a silicon oxide nitride content that is  $< 1\%$  by weight.
15. (Currently Amended) The silicon nitride material of Claim 14, wherein the material further comprises a sintering aid selected from the group consisting of  $\text{Y}_2\text{O}_3$ ,  $\text{Sc}_2\text{O}_3$ , rare earth metal oxides, and  $\text{Al}_2\text{O}_3$  alkaline earth metal oxides.
16. (Previously Presented) The silicon nitride material of Claim 14, wherein the sintering aids and the silicon dioxide are present at an amount so that the grain boundary phase is  $< 20\%$  by volume.
17. (Previously Presented) The silicon nitride material of Claim 14, wherein the sintering aids and the silicon dioxide are present at an amount so that the grain boundary phase is from 0.1 to 17% by volume.
18. (Previously Presented) The silicon nitride material of Claim 14, wherein the sintering aids and the silicon dioxide are present at an amount so that the grain boundary phase is from 3 to 15% by volume.
19. (Previously Presented) The silicon nitride material of Claim 14, wherein the material further comprises a reactive additive.
20. (Previously Presented) The silicon nitride material of Claim 19, wherein the reactive additive is selected from the group consisting of  $\text{TiO}_2$ ,  $\text{WO}_3$  and  $\text{MoO}_3$ .
21. (Previously Presented) The silicon nitride material of Claim 14, wherein the material further comprises an additive that is retained as a disperse phase.

22. (Currently Amended) The silicon nitride material of Claim 21, wherein the ~~reactive~~ additive is selected from the group consisting of SiC, TiN, MoSi<sub>2</sub>, TiCN and HfO<sub>2</sub> and additives which form mixed crystals with the Si<sub>3</sub>N<sub>4</sub>.

23. (Previously Presented) The silicon nitride material of Claim 14, wherein the material has a porosity that is <2%, by volume.